

STATEMENT OF WORK

This specification is for the procurement and installation of Dit-Mco International upgrade/options into a Dit-Mco Automatic Circuit Analysis Test Systems, serial number 2524.12B-0037 and 2524.12B-0040, at the USCG, ARSC facility in Elizabeth City, NC. The upgrades and options required are as follows:

1. 35,000 points of Series 17A (WQB- Series 12B Compatible) shall be installed in (4) Dit-Mco 10K Switching Cabinets [5K in (771 s/n 127), 10K in (9504.T81 s/n 94), 10K in (9500-12B s/n 291) and 10K in (9500.12B s/n 292). The switching shall meet the following requirements:
 - a. Directly plug compatible, interchangeable, operate intermixed with present WQB-12B switching without any modification to existing switching cabinets or loss of any test system capabilities or electrical characteristics.
 - b. Switching characteristics:
 - (1) construction style – electro-mechanical
 - (2) continuity test stimulus capacity – 2.0 amps
 - (3) insulation test stimulus capacity – 1,500 VDC, 1,000 VAC
 - (4) switching test speed – 5,000 TPM
 - (5) “set-up complete” feature
 - c. Front panel adapter cable connector:
 - (1) Dit-Mco Double D 50 (Dit-Mco 024-04624-003)
 - d. Module size: Each removable module shall contain 1,000 point of switching.
2. Power Control Distribution Assembly Upgrade for two (2) Dit-Mco 10K Switching Cabinets (9500-12B s/n 291) and (9500.12B s/n 292) shall upgrade the following:
 - a. Power Supplies (from 3 phase, to single phase)
 - b. Switching Control Assemblies
 - c. Signal Distribution Assemblies
 - d. AC input panels with power cords

Note: Both cabinets modified to utilize single phase, 115 VAC, 60 Hz. input power.

3. Test Adapter Cable (TAC) rebuild material:

- a. 200 bags of 007-01157-0005 male pins for 22 AWG (110 pins per bag). Pins are for Dit-Mco Double D 025-04623-0003 plugs
- b. 10 extractor tools (052-01862-0001) for 007-01157-0005 pins

Note: TAC rebuild material to be shipped 30 days ARO or earlier.

- 4. All modifications and upgrades shall be completely installed and the test system shall be made fully operational.
- 5. Compliance with Dit-Mco Standard 2500 Series Acceptance Test Procedure (ATP) 132-05991-0001 will be used to determine specification acceptance criteria.
- 6. The upgraded USCG, ARSC automatic circuit analysis test system shall be under the control of Test Executive ® operation system. All existing Dit-Mco T81 and TestExecutive® test programs and accessory files shall continue to function without degradation or modifications.
- 7. Installation of upgrades shall begin within 150 days after award of contract and shall be completed no later than 180 days after award of contract. The USCG, ARSC test system availability for upgrade will be scheduled around USCG production schedules and availability.
- 8. Bidders will identify a minimum of two (2) cases, preferably US Government, where like upgrades have been installed for review and examination if desired by the USCG. Contract numbers, contracting officers, points of contact, and telephone numbers shall also be provided.